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CLAIMS:

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What is claimed is:

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1. A method of redirecting a call from a data processing system to another address, comprising the steps of:
receiving at a data processing system a registration notice of an incoming call from a server; and
responsive to determination of a new address; transmitting a new address to which the incoming call is to be redirected.

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2. The method as recited in claim 1, wherein said data processing system is a personal digital assistant.

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3. The method as recited in claim 1, wherein said data processing system is a laptop computer.

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4. The method as recited in claim 1, wherein said data processing system is a portable computing device.

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5. The method as recited in claim 1, wherein said data processing system is a wireless device.

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6. The method as recited in claim 1, wherein the registration notice is a session initiation protocol registration notice.

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7. The method as recited in claim 1, wherein the incoming call comprises video and the new address corresponds to a video display terminal.

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- 1 8. The method as recited in claim 1, wherein said data processing system is a
- 2 wire-line connected device.

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- 1 9. A computer program product in computer readable media for use in a data
2 processing system for redirecting a call from a data processing system to another
3 address, the computer program product comprising:
4 first instructions for receiving at a data processing system a registration notice
5 of an incoming call from a server; and
6 second instructions, responsive to determination of a new address; for
7 transmitting a new address to which the incoming call is to be redirected.
- 1 10. The computer program product as recited in claim 9, wherein said data
2 processing system is a personal digital assistant.
- 1 11. The computer program product as recited in claim 9, wherein said data
2 processing system is a laptop computer.
- 1 12. The computer program product as recited in claim 9, wherein said data
2 processing system is a portable computing device.
- 1 13. The computer program product as recited in claim 9, wherein said data
2 processing system is a wireless device.
- 1 14. The computer program product as recited in claim 9, wherein the registration
2 notice is a session initiation protocol registration notice.
- 1 15. The computer program product as recited in claim 9, wherein the incoming
2 call comprises video and the new address corresponds to a video display terminal.
- 1 16. The computer program product as recited in claim 9, wherein said data
2 processing system is a wire-line connected device.

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- 1 17. A system of redirecting a call from a data processing system to another
2 address, comprising:
3 means for receiving at a data processing system a registration notice of an
4 incoming call from a server; and
5 means, responsive to determination of a new address; for transmitting a new
6 address to which the incoming call is to be redirected.
- 1 18. The system as recited in claim 17, wherein said data processing system is a
2 personal digital assistant.
- 1 19. The system as recited in claim 17, wherein said data processing system is a
2 laptop computer.
- 1 20. The system as recited in claim 17, wherein said data processing system is a
2 portable computing device.
- 1 21. The system as recited in claim 17, wherein said data processing system is a
2 wireless device.
- 1 22. The system as recited in claim 17, wherein the registration notice is a session
2 initiation protocol registration notice.
- 1 23. The system as recited in claim 17, wherein the incoming call comprises video
2 and the new address corresponds to a video display terminal.
- 1 24. The system as recited in claim 17, wherein said data processing system is a
2 wire-line connected device.

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- 1 25. A method for redirecting calls to a data processing system to a second
2 location; comprising the steps of:
3 sending a registration notification to a called party's preferred location; and
4 responsive to receipt of a new address from the called party, redirecting the
5 incoming call to the new address.
- 1 26. The method as recited in claim 25, further comprising:
2 prior to said sending step, receiving a request to initiate a call with a called
3 party; and
4 determining a preferred location of the called party.
- 1 27. The method as recited in claim 25, wherein the registration notification is a
2 session initiation protocol registration.
- 1 28. The method as recited in claim 25, wherein the preferred location is a personal
2 digital assistant.
- 1 29. The method as recited in claim 28, wherein the personal digital assistant is a
2 Palm VII utilizing a Palm Query Application to provide a user interface.
- 1 30. The method as recited in claim 25, wherein the new address corresponds to a
2 voice mailbox.
- 1 31. The method as recited in claim 25, wherein the new address corresponds to
2 placing the incoming call on hold.
- 1 32. The method as recited in claim 25, wherein communication with the preferred
2 device is provided utilizing a wireless application protocol.

1 33. The method as recited in claim 25, wherein the new address corresponds to a
2 wire-line device.

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- 1 34. A computer program product in computer readable media for use in a data
2 processing system for redirecting calls to a data processing system to a second
3 location; the computer program product comprising:
4 first instructions for sending a registration notification to a called party's
5 preferred location; and
6 second instructions, responsive to receipt of a new address from the called
7 party, for redirecting the incoming call to the new address.
- 1 35. The computer program product as recited in claim 34, further comprising:
2 prior to said sending step, third instructions for receiving a request to initiate a
3 call with a called party; and
4 fourth instructions for determining a preferred location of the called party.
- 1 36. The computer program product as recited in claim 34, wherein the registration
2 notification is a session initiation protocol registration.
- 1 37. The computer program product as recited in claim 34, wherein the preferred
2 location is a personal digital assistant.
- 1 38. The computer program product as recited in claim 37, wherein the personal
2 digital assistant is a Palm VII utilizing a Palm Query Application to provide a user
3 interface.
- 1 39. The computer program product as recited in claim 34, wherein the new
2 address corresponds to a voice mailbox.
- 1 40. The computer program product as recited in claim 34, wherein the new
2 address corresponds to placing the incoming call on hold.

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1 41. The computer program product as recited in claim 34, wherein
2 communication with the preferred device is provided utilizing a wireless application
3 protocol.

1 42. The computer program product as recited in claim 34, wherein the new
2 address corresponds to a wire-line device.

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- 1 43. A system for redirecting calls to a data processing system to a second
2 location; comprising:
3 means for sending a registration notification to a called party's preferred
4 location; and
5 means, responsive to receipt of a new address from the called party, for
6 redirecting the incoming call to the new address.
- 1 44. The system as recited in claim 43, further comprising:
2 prior to said sending step, means for receiving a request to initiate a call with a
3 called party; and
4 means for determining a preferred location of the called party.
- 1 45. The system as recited in claim 43, wherein the registration notification is a
2 session initiation protocol registration.
- 1 46. The system as recited in claim 43, wherein the preferred location is a personal
2 digital assistant.
- 1 47. The system as recited in claim 46, wherein the personal digital assistant is a
2 Palm VII utilizing a Palm Query Application to provide a user interface.
- 1 48. The system as recited in claim 43, wherein the new address corresponds to a
2 voice mailbox.
- 1 49. The system as recited in claim 43, wherein the new address corresponds to
2 placing the incoming call on hold.
- 1 50. The system as recited in claim 43, wherein communication with the preferred
2 device is provided utilizing a wireless application protocol.

1 51. The system as recited in claim 43, wherein the new address corresponds to a
2 wire-line device.

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- 1 52. A method in a communications system for processing a call, the method
2 comprising:
3 receiving at a mobile data processing system a call for a user;
4 sending a first request to setup the call to the mobile data processing system
5 associated with a user, wherein the mobile data processing system has a wireless
6 communications capability;
7 receiving a response to the request, wherein the response includes an address
8 for the call; and
9 sending a second request to setup the call to the user using the address.
- 1 53. The method as recited in claim 52, wherein the data processing system is a
2 personal digital assistant.
- 1 54. The method as recited in claim 52, wherein the personal digital assistant is a
2 Palm VII.
- 1 55. The method as recited in claim 52, wherein the request and the response are
2 session initiation protocol messages.

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- 1 56. A method for processing a call at a data processing system the method
2 comprising:
3 receiving a request to establish a call;
4 presenting caller information at the data processing system; and
5 responsive to an identification of an address for the call, returning a response
6 including the address.
- 1 57. The method as recited in claim 56, wherein the step of presenting caller
2 information comprises displaying the caller information.
- 1 58. The method as recited in claim 56, wherein the step of presenting caller
2 information comprises presenting the caller information audibly.
- 1 59. The method as recited in claim 56, wherein the request and the response are
2 session initiation protocol messages.
- 1 60. The method as recited in claim 56, wherein the data processing system is a
2 wireless device.
- 1 61. The method as recited in claim 56, wherein the step of presenting caller
2 information comprises a vibrating alert.
- 1 62. The method as recited in claim 56, wherein the data processing system is a
2 two-way pager.

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63. A communications network for redirecting communications; comprising:
a proxy server for performing address lookup and directing calls;
a user agent functionally connected to the aid proxy server to provide protocol
translation between a protocol recognized by the proxy server and a protocol
5 recognized by a terminal unit and to provide a communication link between the proxy
server and the terminal unit; wherein
the proxy server, responsive to an indication from the terminal unit to redirect
a call, redirects calls to a new location.
64. The network as recited in claim 63, wherein the proxy server is a session
10 initiation protocol proxy server and the user agent is a session initiation protocol user
agent for translating between session initiation protocol and a second protocol.
65. The network as recited in claim 64, wherein the second protocol is HTML.

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66. A method for initiating calls, comprising the steps of:
receiving registration notice of an incoming call, wherein said registration
notice is formatted in a first protocol;

5 translating said registration notice from the first protocol into a second
protocol; and
transmitting a modified registration notice to a terminating device; wherein
the modified registration notice is formatted in the second protocol.

67. The method as recited in claim 66, further comprising:
receiving a location data with which to redirect the incoming call from the
10 terminating device; wherein the location data is formatted in the second protocol; and
translating the location data to a second location data; and
transmitting the second location data, wherein the second location data is
formatted in the second protocol.

68. The method as recited in claim 66, wherein the first protocol is a session
15 initiation protocol.

69. The method as recited in claim 66, wherein the second protocol is a hypertext
markup language.